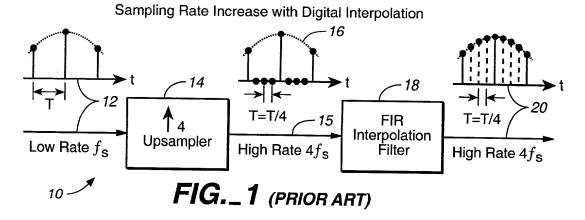
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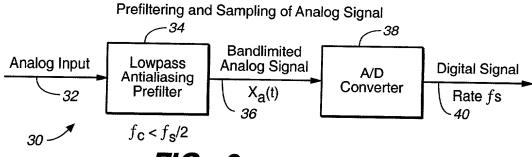


FIG._2 (PRIOR ART)

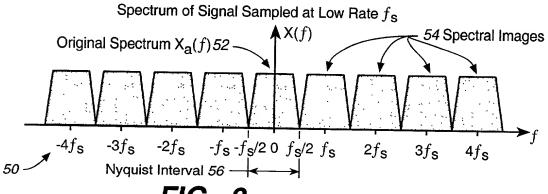
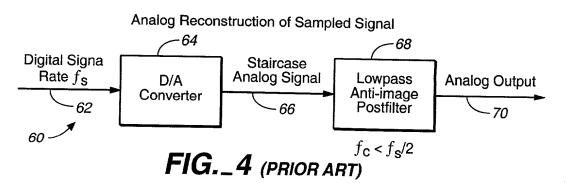


FIG._3 (PRIOR ART)



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Ideal Reconstructor Removes Spectral Images Due to Sampling

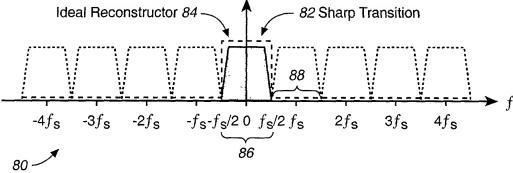


FIG._5 (PRIOR ART)

Spectrum of Signal Resampled at High Rate $4f_S$, and Postfilter Requirements

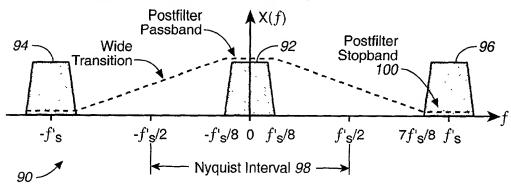


FIG._6 (PRIOR ART)

Spectrum of Low-Rate Samples with Respect to High Rate $4f_{
m S}$

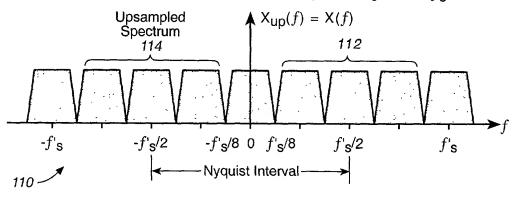


FIG._7 (PRIOR ART)

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High-Rate FIR Interpolator Removes Intermediate Spectral Images

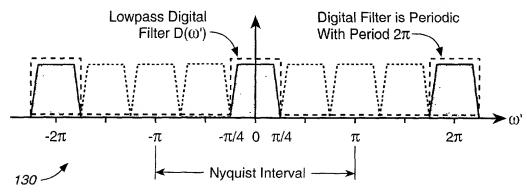


FIG._8A (PRIOR ART)

High-Rate FIR Interpolator Removes Intermediate Spectral Images

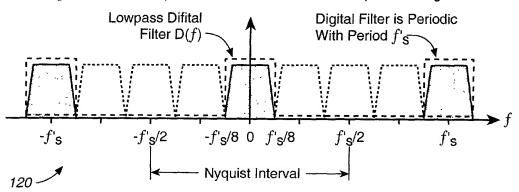
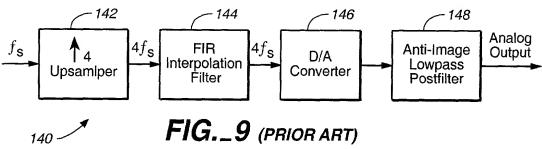
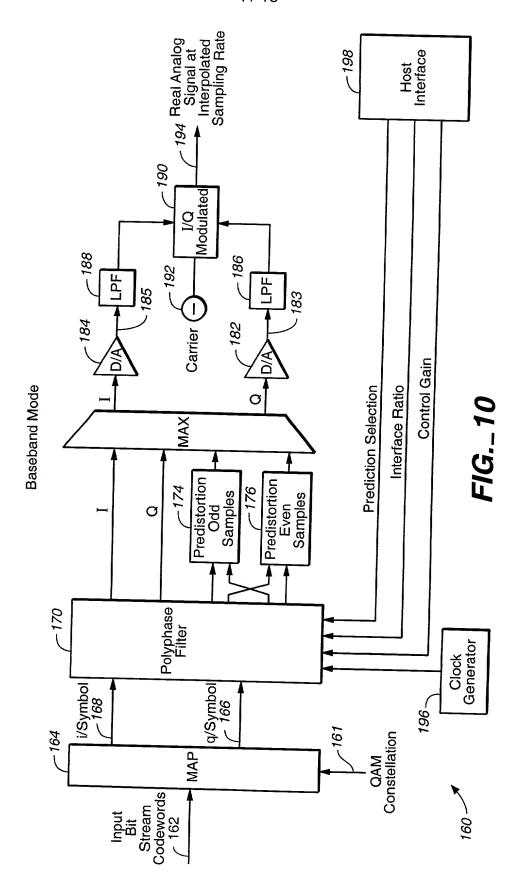


FIG._8B (PRIOR ART)

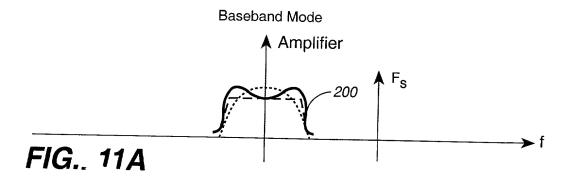
4-Times Oversampling Digital Filter Helps Analog Reconstruction



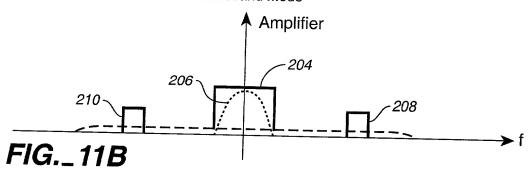
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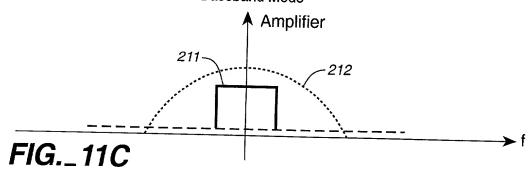
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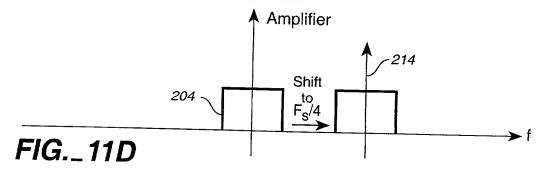
Baseband Mode



Baseband Mode

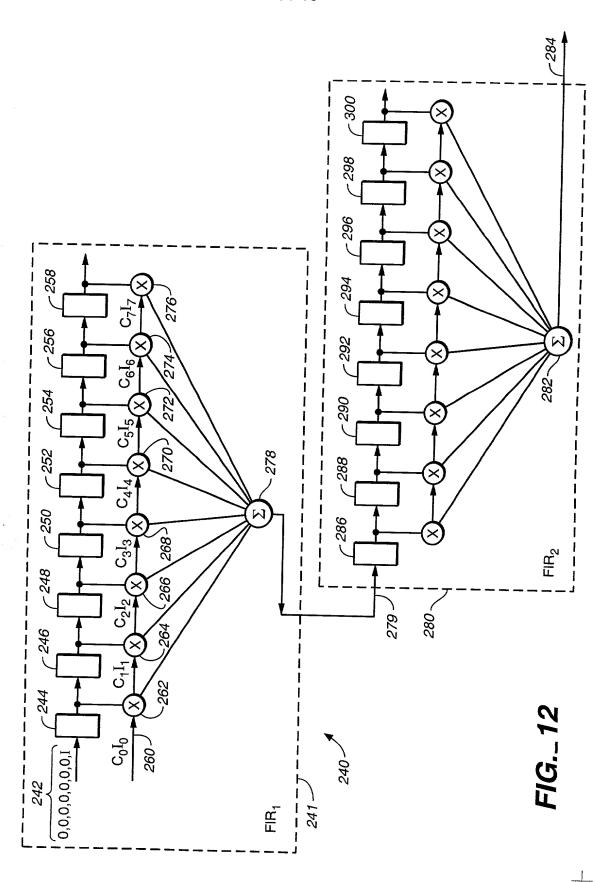


Baseband Mode

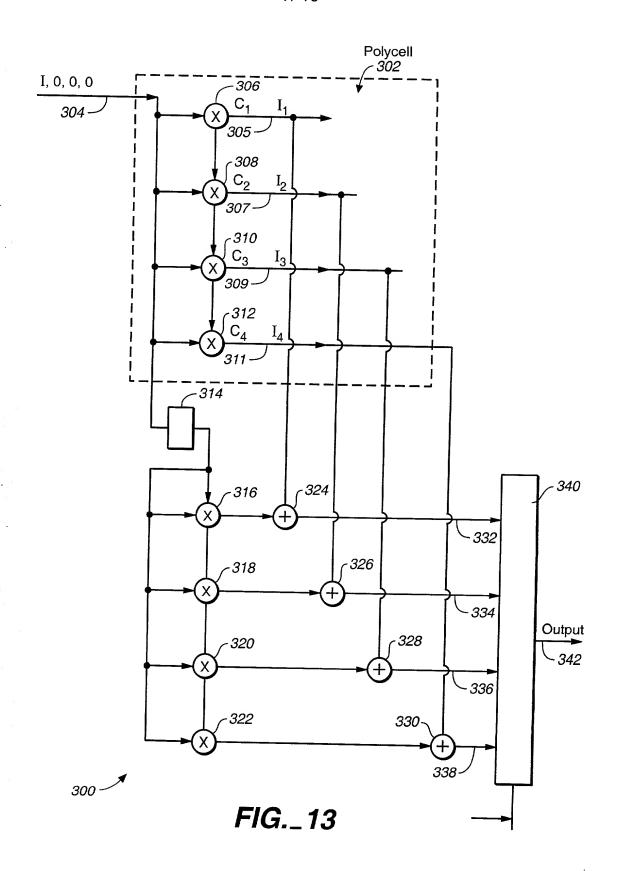


L

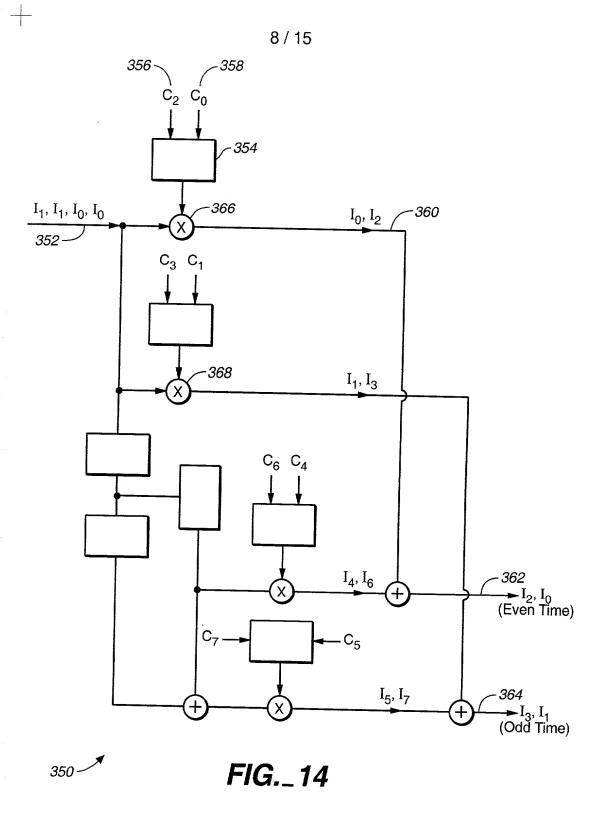
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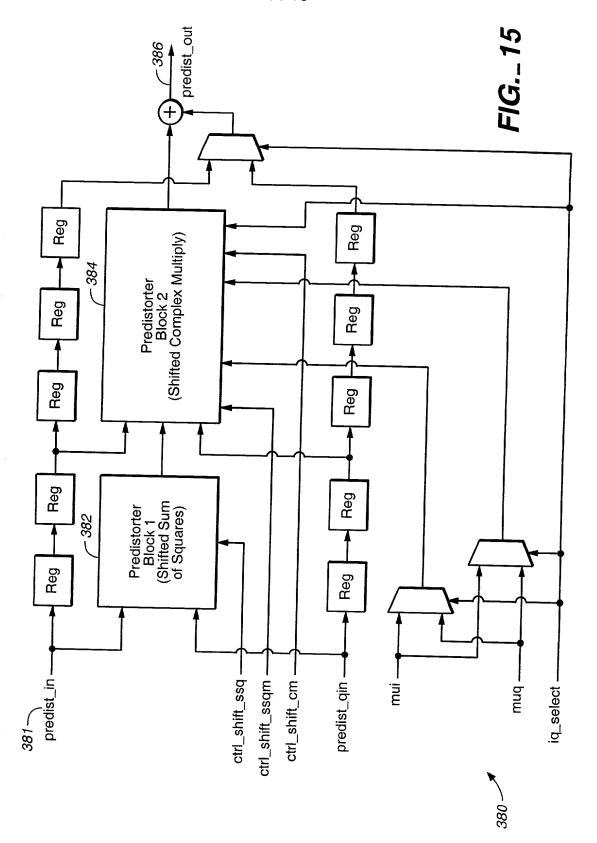
7/ 15

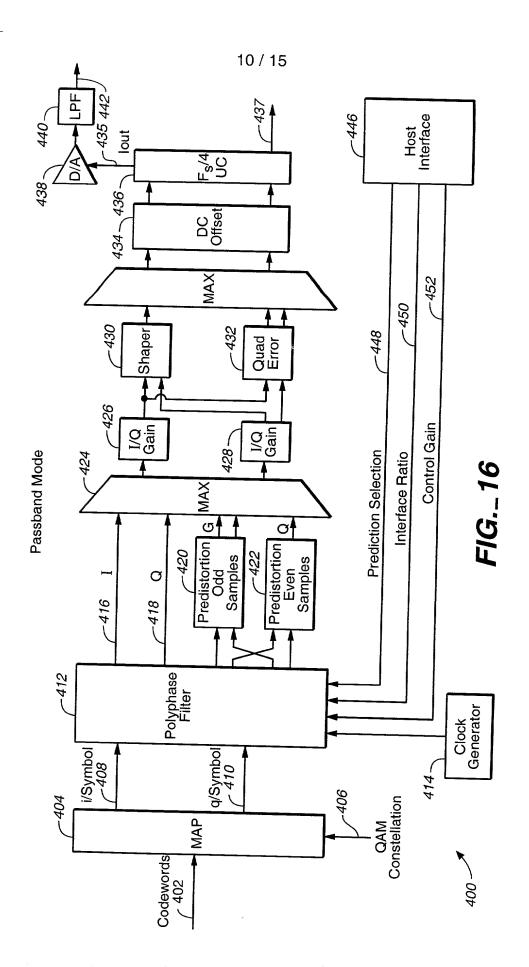


 \vdash



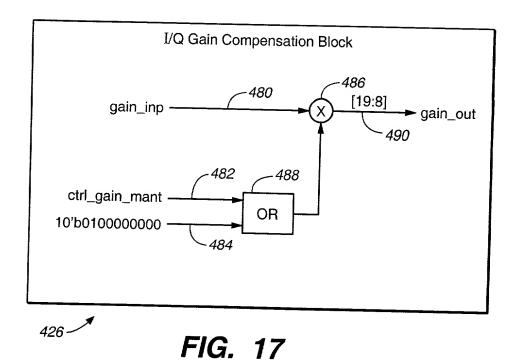
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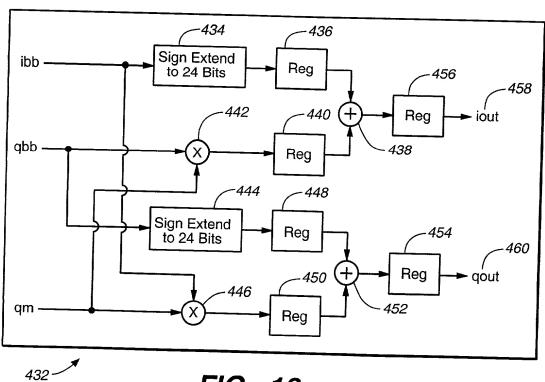
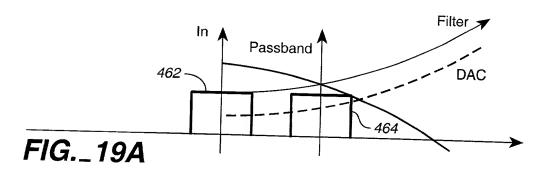
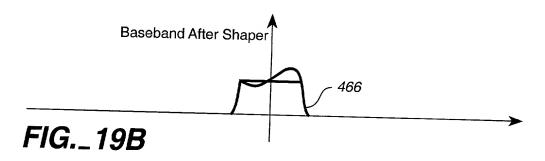
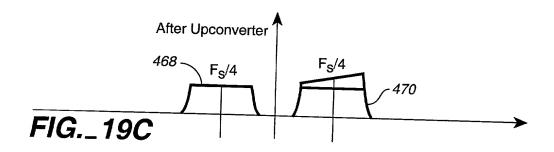


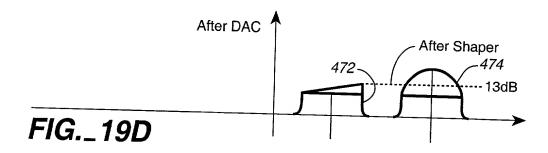
FIG._18

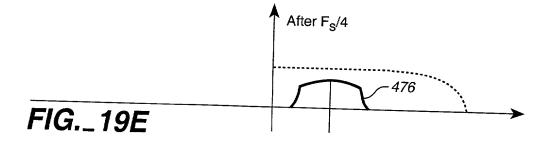
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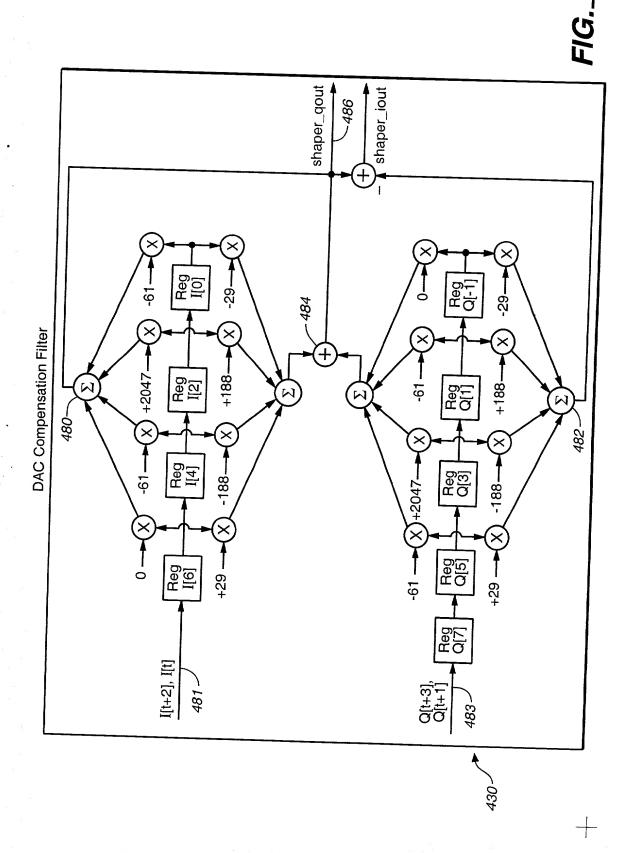








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DC Offset Compensation

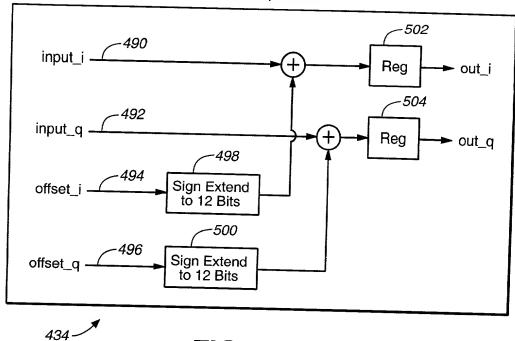


FIG._21

Fs/4 Upconverter

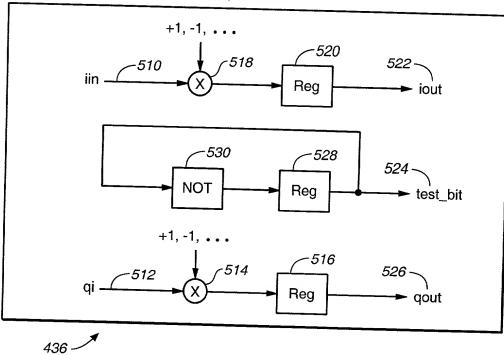


FIG._22

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